

SONY®

Multi-access Video Disk Recorder

MAV-777

The MAV-777 is the flagship version of Sony's MAV-555 Series Multi-access Video Disk Recorder. It is specifically designed for high-definition applications such as rich content production and post production.

This new high-performance model inherits the operability, reliability and connectivity of the MAV-555 that is based on MPEG-2 4:2:2P@ML compression disk technology. It combines VTR-like control panel operation with all the advantages of a disk recorder to provide both linear and non-linear editing capabilities for the demanding needs of today's live, sports and news production applications in an SD (Standard Definition) system.

Leveraging Sony's vast experience in the high definition world, the MAV-777, based on HDCAM® compression and advanced disk technology, offers tremendous capabilities and various benefits for broadcasters and major production companies to fulfill their rapidly rising requirement for high-definition content.

The MAV-777 provides unique functionality with features and benefits including internal down converters that allow you to share your HD (High Definition) material for day-to-day SD program production while securing the material for current and future HD applications, thus enhancing production efficiency and increasing your HD assets. The MAV-777 not only adds flexibility to your live, sports and program production applications but it's also an ideal video recorder for your multi-channel HD editing suite in a multi-format era.



Preliminary

FEATURES & BENEFITS

HDCAM® codec for superlative picture quality

The MAV-777 offers excellent picture quality with the greatest possible degree of scalability and compatibility while maintaining a balance of picture quality, response, and editing and transfer efficiencies

Simultaneous 4-channel synchronous HD A/V I/Os

The real-time HD-SDI cards are available to support up to four simultaneous inputs and outputs in the following configurations: standard 1 in 1 out, and optional 1 in 3 out, 2 in 2 out, or 3 in 1 out. This multiple-HD channel capability extends the flexibility of your system configuration.

Internal down converter for system flexibility

All HD-SDI output ports are equipped with down-converted SD-SDI outputs, so that both HD-SDI and SD-SDI can be output in parallel for your system convenience. There are two systems for system configuration flexibility: Output A, which does not have a superimpose function, and Output B, which does.

Simultaneous multi-operation with asynchronous network I/F

While recording an incoming feed, multiple operators can immediately begin their editing processes. By using a network, the operators are able to air the content while editing. They can also play back files to air with continuous recording. Each file can be transferred asynchronously and the transfer rate is dynamically adjustable to the condition of the port being used. This also offers a path to archival devices and remote servers.

Familiar VTR-style control panel

For operational convenience, the MAV-777 is equipped as standard with the BKMA-505 Disk Recorder Control Panel. This familiar VTR-style control panel provides a level of intuitive operation never before available in a disk recorder. Anyone who is familiar with front-panel VTR editing can operate this machine, so there is a very short learning curve.

Supports Sony VTR protocol

The MAV-777 can be controlled from a variety of control devices via RS-422A, which means you can keep using Sony control devices such as Sony BVE Series editors and other compatible controllers. This makes it easier to integrate the MAV-777 into existing linear editing systems to process non-linear editing. In addition, the MAV-777 supports Sony Disk Protocol. Existing third party manufacturers' controllers for the MAV-555 are compatible with the MAV-777.

Smooth scene search for editing efficiency

With the familiar and convenient VTR-like scene search capability, the MAV-777 can accurately and quickly search audio and video during editing with excellent response: Jog ± 1.0 times with DJS (Digital Jog Sound), Var. ± 1.0 times, shuttle ± 500 times. In addition, in shuttle mode, it provides whole frames of images at up to four times normal speed.

Real time audio and video editing with effects

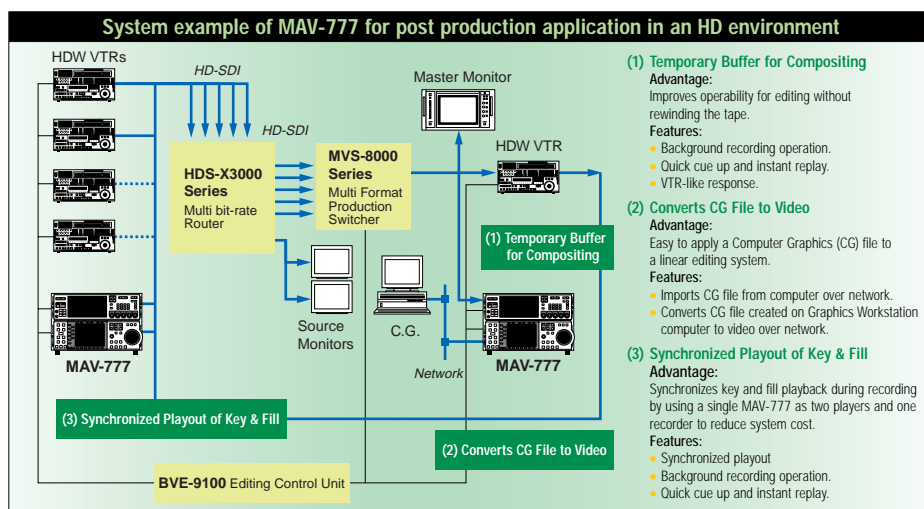
A/V Split Editing Independently by Channels, Audio Cross Fades, Slide, Swap, Mix Down, Voice Over, and A/V Level Controls are all available at real time to the user. The MAV-777 provides the following effects for A/B roll editing using an internal mix bus and two playback ports: Dissolve, Wipe, and Audio Crossfade for smooth sound transition in audio editing. Insert Editing and Non-linear Editing are also included.

Ethernet file directory browsing

File Searching, Remote Control, and Self-diagnosis/Log Extraction/Set up are controllable through a standard PC with dedicated file browser software installed over an Ethernet computer network.

High reliability

The MAV-777 is designed with RAID technology, mirrored file list data, on-line data rebuild, and a shock-resistant design, which enables it to be used in a wide range of demanding environments from the studio to OB operations.



Specifications

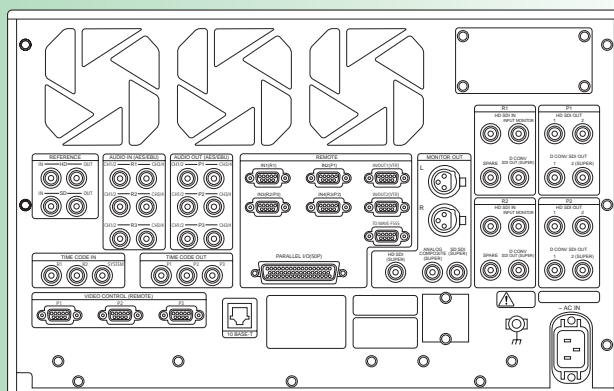
Power requirements	AC100 to 240 V $\pm 10\%$, 50/60 Hz
Power consumption	Approx. 700 W
Operating temperature	5° to 40°C (41° to 104°F)
Storage temperature	-20° to 60°C (-4° to 140°F)
Humidity	25% to 80% (relative humidity)
Mass	Approx. 50 kg (110 lbs)
Dimensions (W x H x D)	424 x 266 x 661 mm (16.8 x 10.5 x 24.8 inches) Main frame: 6U, 19-inch standard rack mountable

Supplied accessories

Operation manual (1)	
Installation manual (1)	

Optional support components

BKMA-720	HDCAM Input Board
BKMA-730	HDCAM Output Board



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